(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 21 April 2005 (21.04.2005)

PCT

(10) International Publication Number WO 2005/036263 A2

(51) International Patent Classification⁷:

G03C 7/392

(21) International Application Number:

PCT/GB2004/004207

(22) International Filing Date: 1 October 2004 (01.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0323282.4

4 October 2003 (04.10.2003) GB

- (71) Applicant (for all designated States except US): EAST-MAN KODAK COMPANY [US/US]; 343 State Street, Rochester, NY 14650-2201 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CLARK, Bernard, Arthur, James [GB/GB]; 23 Fullbrook Close, Maidenhead, Berkshire SL6 8UE (GB). ALLWAY, Phillip [GB/GB]; 120 Valley Walk, Croxley Green, Rickmansworth, Hertfordshire WD3 3TG (GB). ZUBERI, Tania [GB/GB]; 6 Sovereign Place, Elmgrove Road, Harrow, Middlesex HA1 2FN (GB). SINGER, Stephen, Paul [US/US]; 22 Walnut Hill Drive, Spencerport, NY 14559 (US). HECKLER, Charles [US/US]; 15 Goodman Street South, Rochester, NY 14607 (US). FRIEDRICH, Louis [US/US]; 36 Corwin Road, Rochester, NY 14610 (US).

- (74) Agent: HAILE, Helen; Kodak Limited, Patent Department, W92-3A, Headstone Drive, Harrow, Middlesex HA1 4TY (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PHOTOGRAPHIC ELEMENT WITH SPEED-ENHANCING COMPOUND

(57) Abstract: The invention provides a colour photographic element comprising at least one light-sensitive silver halide emulsion layer or a non silver-containing light-insensitive layer, in which at least one of these layers contains a colourless heterocyclic compound having either one or two hetero atoms in the ring or ring system, being other than an imidazole compound, that undergoes less than 10% chemical or redox reaction directly with oxidized developer and which has a partition coefficient to enable the photographic speed of the element to be increased by at least 0.03 stop without increasing granularity, compared to the same element without the compound. The heterocyclic compounds increase speed without a concomitant increase in size of the light-sensitive silver halide grains.

